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CLAIMS

We Claim:

- 1. A hand-held device comprising:
- a circuit board;
- 5 a processor means attached to said circuit board;

a tracking means for sensing movements of the device wherein the tracking means contains an accelerometer chip mounted at an angle with respect to the circuit board.

- A hand held device as recited in claim 1 wherein the device is a personal digital assistant (PDA).
- A hand held device as recited in claim 1 wherein the tracked movements are used to control a display.
- A hand held device as recited in claim 1 wherein the angle formed between the accelerometer chip and the circuit board is 19 degrees.
- A hand held device as recited in claim 1 wherein the orientation of the certain portion displayed is redefined in response to a request by a user.
- 6. A method of mounting an integrated circuit chip onto a circuit board comprising the steps of providing a circuit board onto which electrical components will be mounted; and mounting an accelerometer chip onto said circuit board so that an angle is formed between said circuit board and said accelerometer chip.
- A computer implemented method as recited in claim 6 wherein the accelerometer chip is mounted at an angle of 19 degrees with respect to the circuit board.
- 8. A computer implemented method as recited in claim 6 wherein acceleration may be detected in more than one plane of motion.
 - A computer implemented method as recited in claim 6 wherein the scalability feature is controlled by user input separate from tracked movement of the display device.

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- 10. A computer implemented method as recited in claim 6 wherein the navigation capability of the physical map includes a scalability feature allowing adjustment of the scalability of the physical map in order to provide a viewer of the display device views of the physical map having different magnifications
- 11. A method of measuring acceleration in more than one plane of motion comprising the steps of; providing a circuit board on which electrical components will be mounted, mounting an accelerometer chip onto said circuit board wherein an angle is formed between the circuit board and the accelerometer chip.
- A method as recited in claim 11 further comprising the step of mounting a single accelerometer chip at an angle of 19 degrees with respect to a circuit board.
- 13. A method as recited in claim 11 wherein the single accelerometer chip is capable of sensing motion in more than one plane due to said angle.
- 14. A method as recited in claim 11 wherein the accelerometer produces signals used to control an electrical device.
- 15. A method as recited in claim 14 wherein the device is a personal digital assistant (PDA).
- 16. A hand-held device comprising; a circuit board that contains a slanted surface; and an accelerometer chip mounted on said slanted surface.
- 17. A hand-held device as in claim 16.
- A hand-held device as in claim 16, wherein the device is a hand-held personal digital assistant (PDA).
- A computer implemented method as recited in claim 15 wherein the handheld computer device is a personal digital assistant (PDA).
 - 20. A computer implemented method as recited in claim 16 wherein the PDA has handwriting recognition capability.